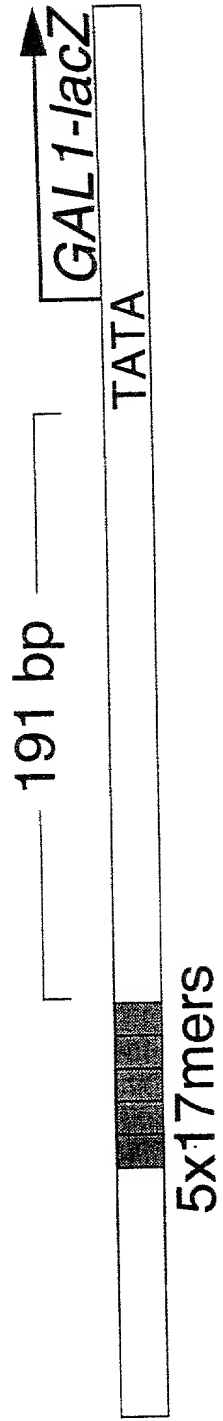


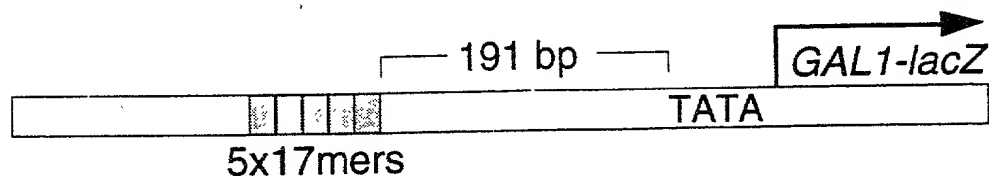
# Transcriptional Activation Depends on Peptide Sequence



Construct	$\beta$ -gal activity
GAL4(1-881)	2300
GAL4(1-100)	2
GAL4(1-100)+ YLLPTCIP	4400
+ LICYP LPT	100
+ IPLYLTCIP	17

Figure 1

# Residues of the GAL4 DNA Binding Domain Contribute to Peptide Activation

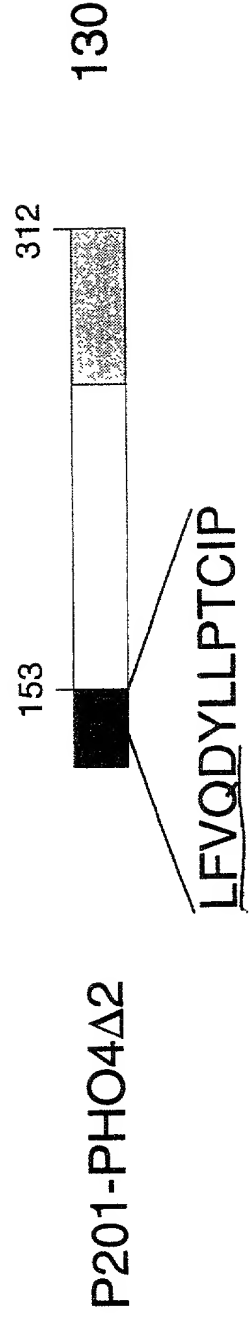
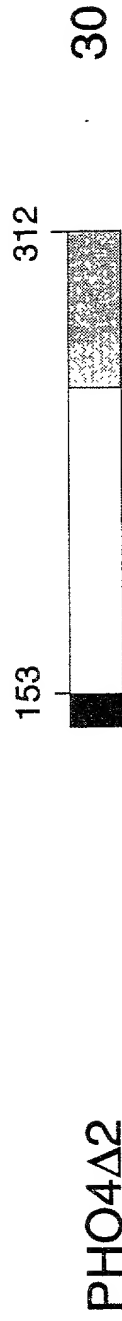
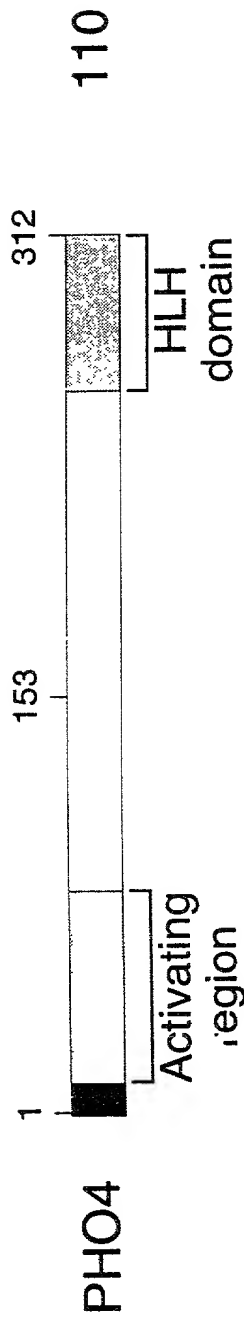


Construct	$\beta$ -gal. activity
GAL4(1-881)	2800
GAL4(1- <sup>91</sup> ALLTGLFVQD <sup>100</sup> )	2
GAL4(1-ALLTGLFVQD <sup>100</sup> + <sup>8mer</sup> YLLPTCIP)	4400
ALLTGLFVQ□ + YLLPTCIP	120
ALLTGLFV□D + YLLPTCIP	450
ALLTGLF□QD + YLLPTCIP	3
ALLTGL□VQD + YLLPTCIP	2
ALLTG□FVQD + YLLPTCIP	3
ALLTGLFVQ□A + YLLPTCIP	4200
ALLTGLFV□AD + YLLPTCIP	3800
ALLTGLF□AQD + YLLPTCIP	100
ALLTGL□AVQD + YLLPTCIP	30

FIGURE 2

# The Peptide Activates Transcription When Fused to the PHO4 DNA Binding Domain

Phosphatase Activity (units)



↑  
From G. M. (196-100)

Figure 3

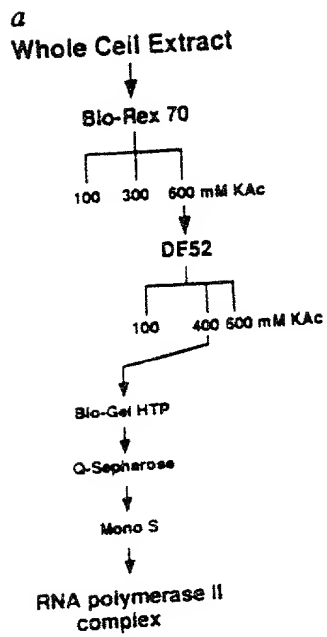
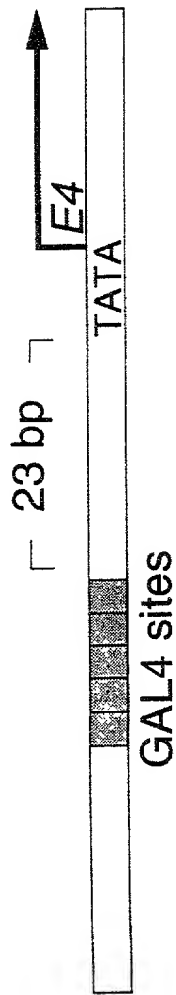
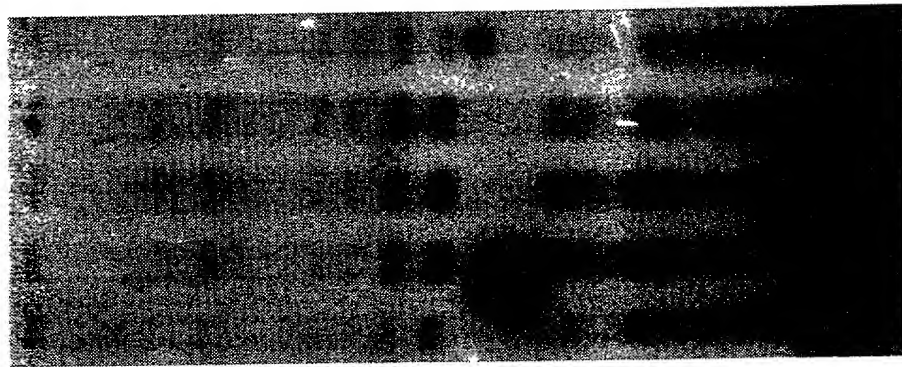


Figure 4

# The Peptide Activates Transcription *In Vitro*



LS201p (ng): 0 1 5 30 100



1 2 3 4 5

FIGURE 5

40160-445460

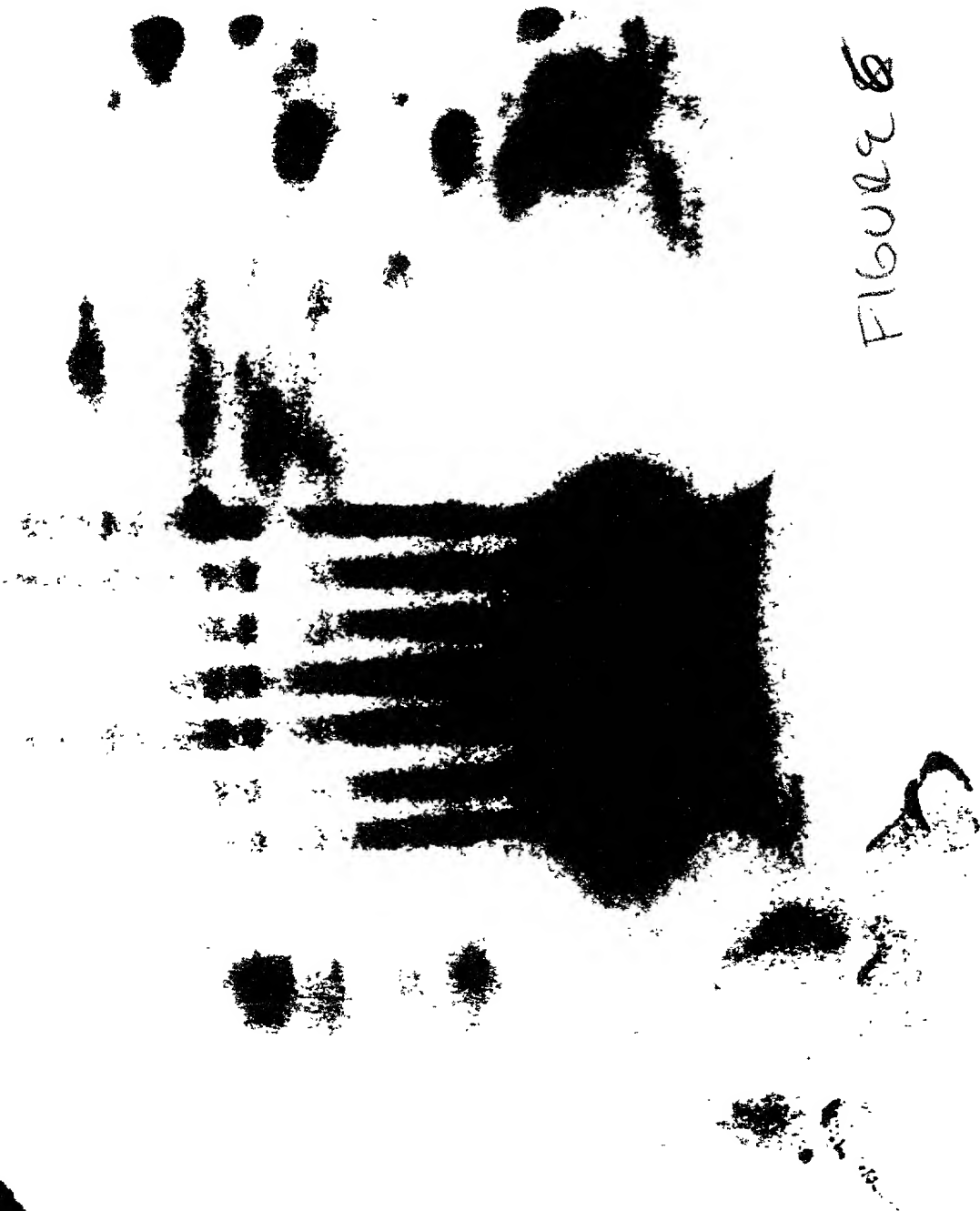
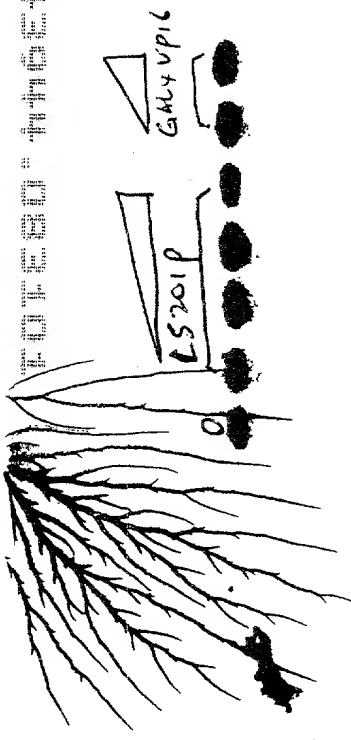
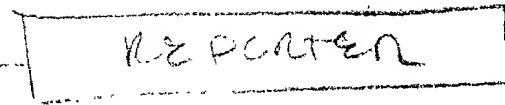
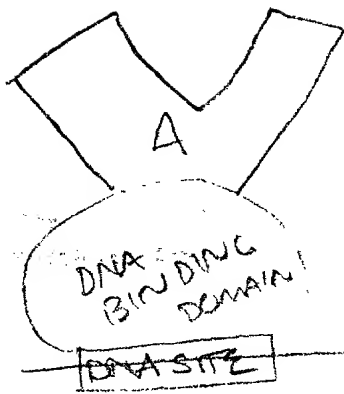
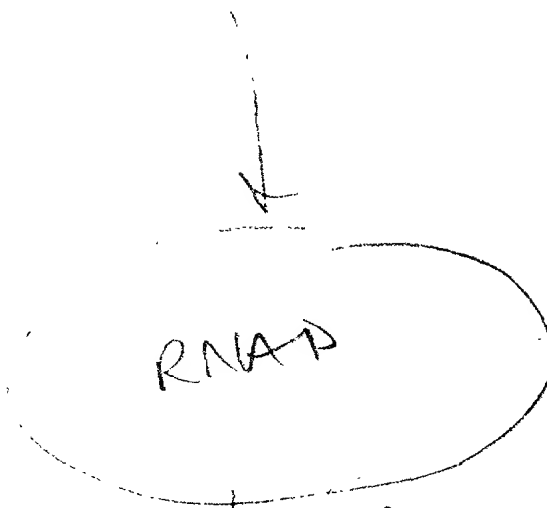
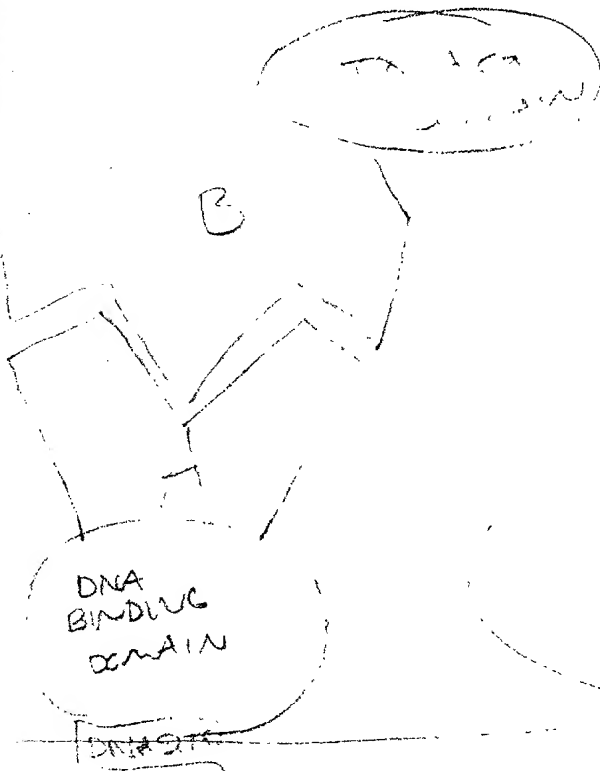


Figure 6



OFF

TFEBO™ method



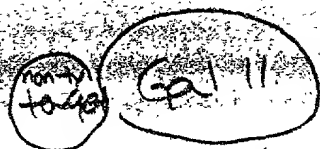
REPORTER

ON

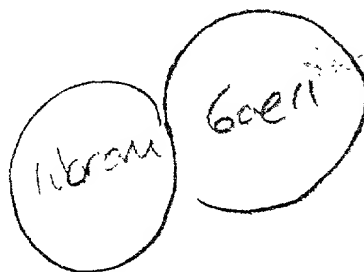
FIGURE 7

# DI-HYBRID SCREENS EMPLOYING Gal II

ZA



REPORTER



ZB



REPORTER

FIGURE 8



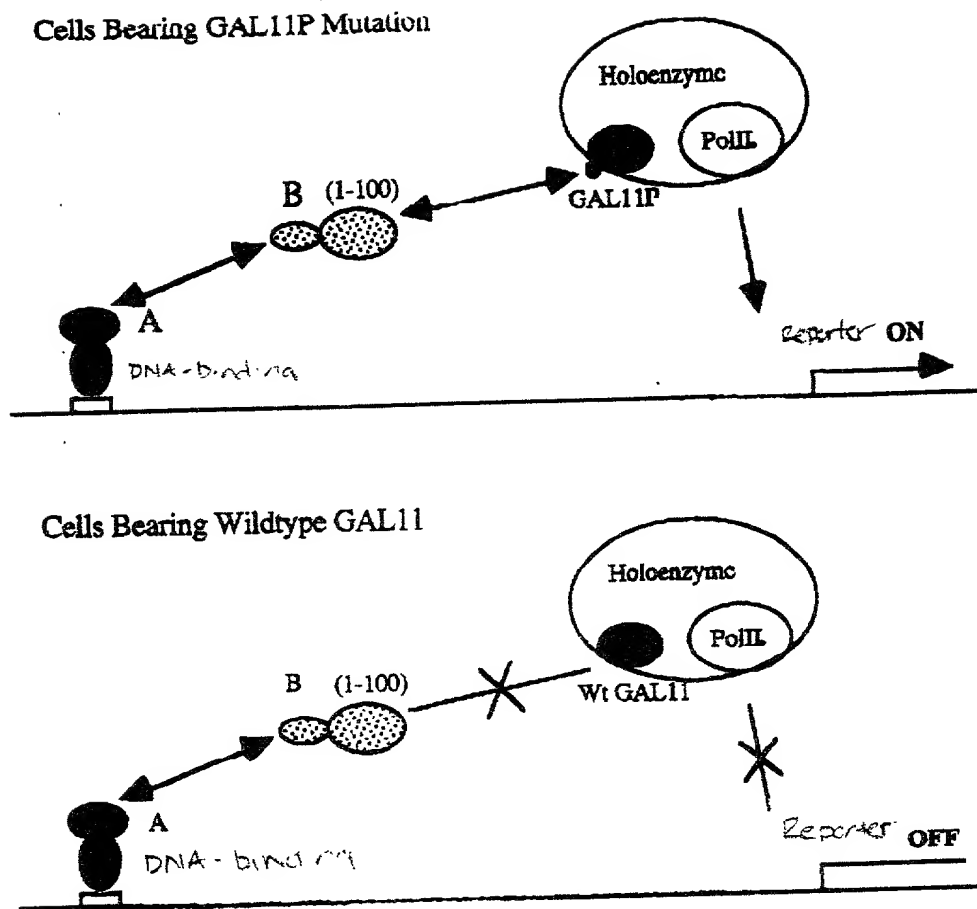


FIGURE 9